

Republic of Sierra Leone



DIRECTORATE OF HEALTH SECURITY AND EMERGENCIES (DHSE)



NATIONAL DISEASE SURVEILLANCE PROGRAMME

WEEKLY EPIDEMIOLOGICAL BULLETIN

Epi Week 01

Week 01, 30th December 2019 to 05th January 2020

Highlights of the week

- Of the 26 priority diseases under IDSR, 11 were reported
- The average completeness and timeliness was 96.6% and 89.1% respectively
- Apart from Kailahun District with 60% timeliness, all other districts meet WHO target (80%)
- All district meet WHO reporting target for completeness (80%)
- One suspected AVHF reported from Western Area Urban district and tested negative
- 17 Animal bites were reported from 11 districts
- Five Maternal deaths were reported from four districts
- One Suspected case of measles was reported from Kailahun district

Disease specific report

- **Acute Viral Haemorrhagic fever:** A five years old female child was suspected for Acute viral haemorrhagic fever on the 3rd January, 2020 from Ola Daring Hospital in Western Area Urban district. The sample collected was tested negative for Lassa, Ebola, at Kenema Regional Hospital. The patient is still alive.
- **Measles:** A 13years old female child suspected with measles was reported from Kailahun district on 31st December, 2019. The sample was collected but not yet shipped for analysis by the end of the week
- **Maternal death:** 5 maternal deaths were reported countrywide including two deaths from Bo Government Hospital and one death each from Koinadugu, Kailahun and Western Area Urban districts. Table2.
- **Animal bite:** In total 17 animal bites cases were reported countrywide (3 under five and 14 above five years) with no related death. Three (3) cases were reported from Moyamba district, two each from Western Area Rural, Kono, Koinadugu and Bombali district and one case each from Kenema, Bonthe, Port Loko, Pujehun WAU & Kailahun districts. Table3.

- **Adverse events following immunisation:** One under five years case was reported from PAYCY's Clinic in Western Area Urban District. The case is currently improving.
- **Diarrhoea with severe dehydration in under five years:** In total 56 cases were reported countrywide. Pujehun district reported the highest (18 cases). No deaths was reported. Fig.2
- **Dysentery (Bloody diarrhoea):** In total 43 cases were reported including 19 cases in under five and 24 cases above five. Bombali district reported the highest 13 cases (30%).
- **Severe malnutrition in under five:** In total, 509 cases including 3 deaths were reported. The highest incidence (14.8 cases per 10,000 pop) was observed in Bonthe district. Fig 6
- **Severe pneumonia:** 423 cases (280 under five years old and 143 above five years) including 10 deaths (9 under five and one above five) were reported countrywide. The highest incidence (1.8 cases per 10,000 pop) was observed in Port Loko district Fig5
- **Suspected Malaria:** Of the 52,803 suspected malaria cases reported for week one, 51.7% are under five years and 48.3% above five years old. The highest incidence (98.5 cases per 10,000 pop) was observed in Bonthe district.
- **Malaria Positive:** Total malaria positive cases reported for week one was 30,168 (54% are under five and 46% above five) with 28 related deaths. The highest incidence 55.9 cases per 10,000pop was observed in Bonthe district. The average positivity rate is 57.1% with high positivity rate in Moyamba district (69.4%). Fig2
- **Typhoid Fever:** Nationally, 1856 suspected typhoid fever cases including 358 cases in under fives and 1498 cases in above fives were reported.. Of them, 27.3% (507 Cases) were from WAU and 16% (297cases) from WAR district
- **Zero reporting:** Zero cases were reported for Acute Flaccid Paralysis, Acute jaundice syndrome, Anthrax, Buruli ulcer, Chikungunya, Cholera, Dengue Fever, Dracunculiasis (Guinea worm), Influenza due to new subtype, Meningococcal Meningitis, Monkeypox, Neonatal Tetanus, Plague, Smallpox and Yellow Fever

Note :Data downloaded on Tuesday 7th January, 2020 at 14:30am

Timeliness and Completeness

- The total number of health facilities expected to report was 1307 within 14 districts.
- The average completeness and timeliness were 96.6% and 89.1% respectively
- The highest performance (100%) for both timeliness and completeness was from Western Area Rural district

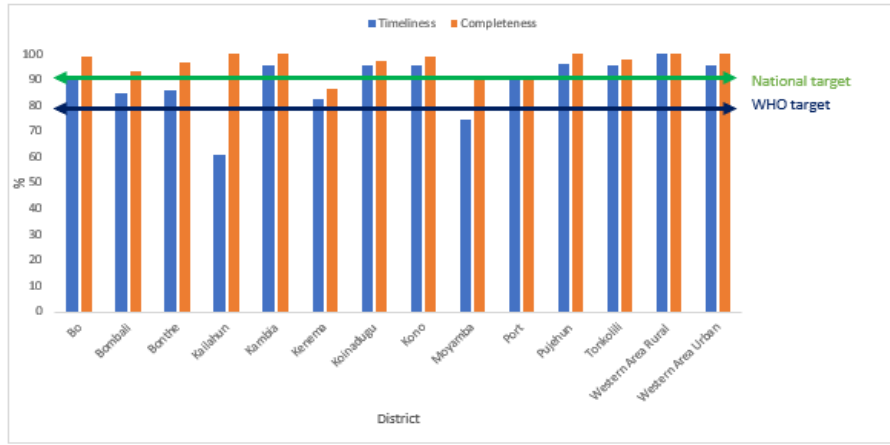


Fig.1. Intra-district completeness and timeliness for IDSR weekly reporting rate for week 1

Table1. Summary of Weekly Integrated Disease Surveillance and Response Report for week 01

Disease/Condition	Bo District		Bombali District		Bonthe District		Kailahun District		Kambia District		Kenema District		Koinadugu District		Kono District		Moyamba District		Port Loko District		Pujehun District		Tonkolili District		Western Area Rural		Western Area Urban		Total cases	Total deaths	CFR (1000)
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths					
Acute Flaccid Paralysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Acute Viral Haemorrhagic Fever	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	6	0.0	
Acute jaundice syndrome	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Adverse events following immunisation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0.0	
Animal bite (dog/cat)	0	0	2	0	1	0	1	0	0	0	1	0	2	0	2	0	3	0	1	0	1	0	0	0	2	0	1	0	17	0.0	
Anthrax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Buruli ulcer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chikungunya	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cholera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dengue Fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diarrhoea with severe dehydration case under 5 years	0	0	0	0	6	0	0	0	1	0	3	0	4	0	3	0	5	0	5	0	18	0	1	0	0	0	10	0	56	0.0	
Dracunculiasis (Guinea worm)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dysentery (Bloody diarrhoea)	1	0	13	0	3	0	0	0	0	0	0	9	0	4	0	3	0	1	0	2	0	2	0	2	0	4	0	1	0	43	0.0
Influenza due to new subtype	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Malnutrition severe	14	0	29	0	46	0	39	0	34	0	50	0	25	0	11	0	53	0	55	0	73	0	22	0	21	0	37	3	509	3	5.9
Maternal death	0	2	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	5
Measles	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0.0
Meningococcal Meningitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monkeypox	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neonatal Tetanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plague	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pneumonia severe	45	2	8	0	5	0	10	0	0	0	76	0	31	0	29	0	7	0	124	0	33	0	33	2	0	22	6	423	10	23.6	
Smallpox	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Malaria cases	5711	0	4790	0	2210	1	2769	0	3234	0	4871	0	2391	0	3701	0	2386	0	4846	1	2941	1	5087	0	3207	0	4659	0	52803	3	0.1
Total Malaria positive	3414	3	2655	0	1254	2	1572	1	1964	0	2766	0	1296	0	1899	3	1656	0	2735	5	1425	1	2937	3	2081	0	2514	10	30168	28	0.9
Total Malaria tested	5672	0	4520	0	2056	0	2769	0	3234	0	4871	0	2405	0	3691	0	2386	0	4846	1	2910	1	5076	0	3105	0	4619	0	52160	2	0.0
Typhoid Fever	18	0	170	0	42	0	35	0	57	0	121	0	49	0	293	0	10	0	174	0	69	0	14	0	297	0	507	0	1856	0	0.0
Yellow Fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	14875	7	12187	0	5623	3	7196	2	8524	0	12764	0	6212	1	9633	3	6509	0	12787	7	7472	3	13172	5	8717	0	12372	20	138043	51	0.4

Table2. Distribution of maternal deaths reported in week 01,2020 by district

District	Health Facility	Number of Maternal death
Bo District	Bo Government Hospital	2
Koinadugu District	Gbenikoro MCHP	1
Kailahun District	Nixon Methodist Hospital	1
Western Area Urban District	Princess Christian Maternity Hospital	1

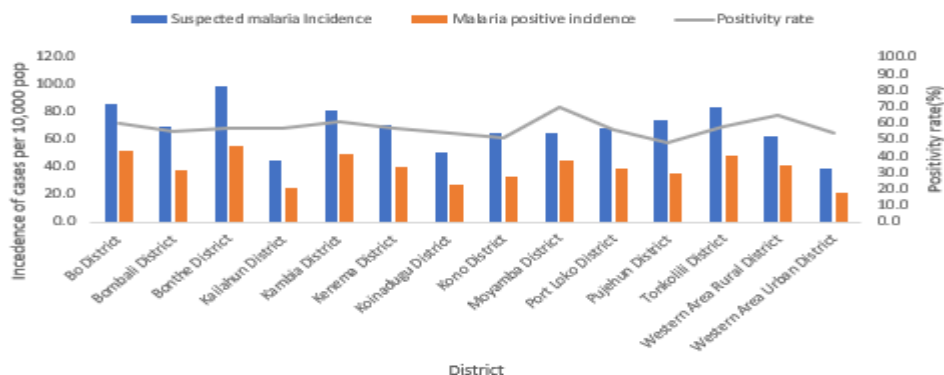


Fig.2 Incidence of Suspected malaria per district and positivity rate for week 01,2020

Table3. Distribution of animal bites cases reported in week 01,2020 by facility

District	Health Facility	Number of cases
Bombali District	Stocco CHP	2
Bonthe District	Kanga (Sogbini) MCHP	1
Kailahun District	Koindu CHC	1
Kenema District	Kenema Government Hospital	1
Koinadugu District	Musaia (Koinadugu) CHC	1
Kono District	Senekedugu MCHP	1
	Koidu Government Hospital	2
	Moyamba Junction CHC	1
Moyamba District	Moyeamoh CHP	1
	Sembehunwo MCHP	1
Port Loko District	Mile 38 CHP	1
Pujehun District	Pehala MCHP	1
Western Area Rural District	Bethlehem Clinic	1
	Kissy Town CHP	1
Western Area Urban District	PAYCY's Clinic	1
Total		17

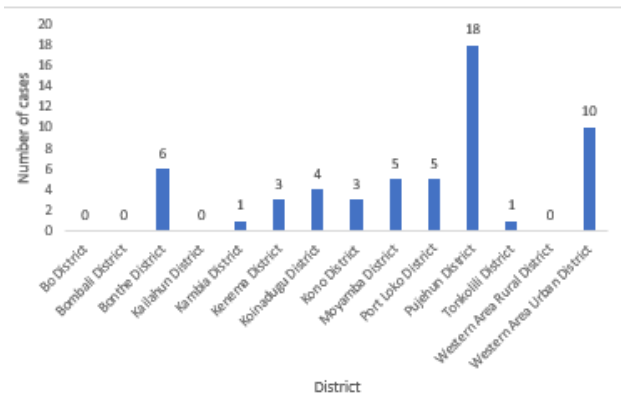


Fig.3. Distribution of Diarrhea with severe dehydration cases under 5 years old by district in week 01,2020

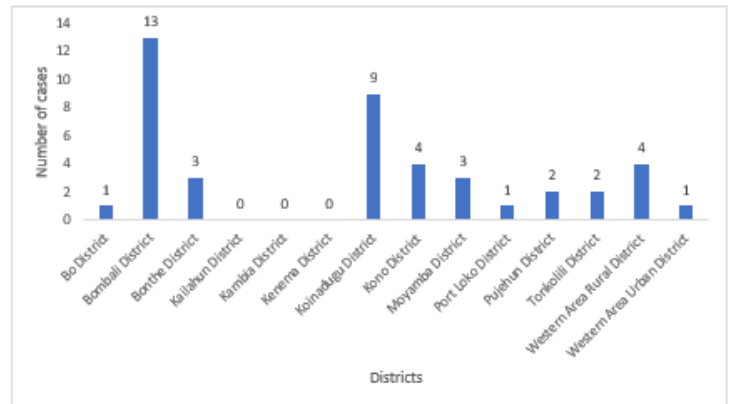


Fig.4 Distribution of Dysentery (Bloody diarrhoea) cases by district in week 01, 2020

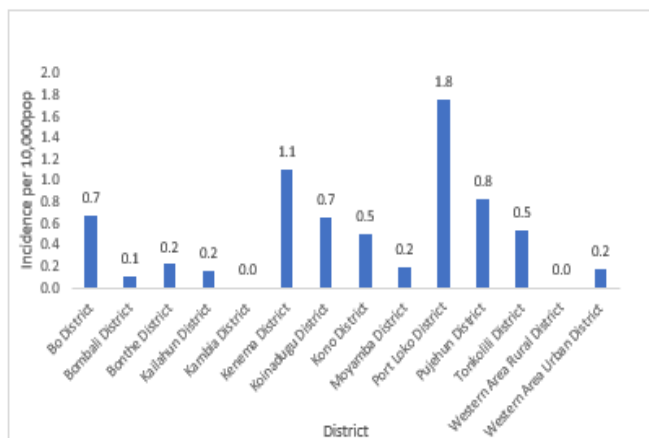


Fig.5 Incidence of severe pneumonia cases per district for week 01,2020

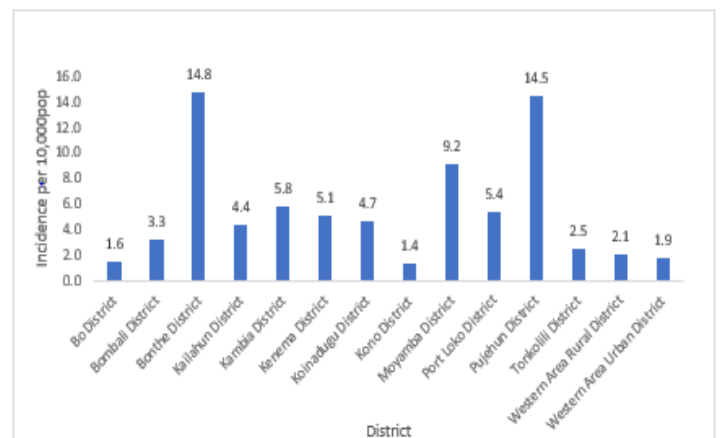


Fig.6 Incidence of severe malnutrition cases per district for week 01,2020